

SEQUENCE LISTING

<110> Fuwai Cardiovascular Institute, Chinese Academy of Medical Sciences

<120> Cell Proliferation Factor Fwa267

<130> PD0202027

<150> CN01109260.2

<151> 2001-02-28

<160> 2

<170> PatentIn version 3.1

<210> 1

<211> 3739

<212> DNA

<213> Adult Human Aorta cDNA Library

<400> 1

gcaggcgag cgaggcggc gagagcgag ggcgggcgcg cgctcggtccc gggagcagaa 60

cccggctttt tcttgagcg acgctgtctc tagtcgtga tcccaaatgc accggctcat 120

ctttgtctac actctaatt gcgcaaactt tgcagctgt cgggacactt ctgcaacccc 180

gcagagcgca tccatcaaag ctttgcgcaa cgccaacctc aggcgagatg agagcaatca 240

cctcacagac ttgtaccgaa gagatgagac catccaggtg aaaggaaacg gctacgtgca 300

gagtcctaga tccccgaaca gctaccccag gaacctgtct ctgacatggc ggcttcactc 360

tcaggagaat acacggatac agctagtgtt tgacaatcag ttgggattag aggaagcaga 420

aaatgataac tgtaggtatg atttgtgga agttgaagat atatccgaaa ccagtaccat 480

tattagagga cgatgggtgtg gacacaagga agttcctcca aggataaaat caagaacgaa 540

ccaaattaaa atcacattca agtccgatga ctactttgtg gctaaacctg gattcaagat 600

ttattattct ttgctggaag attccaacc cgacgcagct tcagagacca actgggaatc 660

tgtcacaagc tctatttcag gggtatccta taactctcca tcagtaacgg atcccactct 720

gattgcggat gctctggaca aaaaaattgc agaattgat acagtggag atctgctcaa 780
gtacttcaat ccagagtcac ggcaagaaga tcttgagaat atgtatctgg acaccctcg 840
gtatcgaggc aggtcatacc atgaccggaa gtcaaaagt gacctggata ggctcaatga 900
tgatgccaag cgttacagt gcactcccag gaattactcg gtcaatataa gagaagagct 960
gaagtggcc aatgtgtct tcttccacg ttgcctctc gtgcagcgt gtggaggaaa 1020
ttgtggctgt ggaactgtca actggaggtc ctgcacatgc aattcaggga aaaccgtgaa 1080
aaagtatcat gaggtattac agtttgagcc tggccacatc aagaggagg gtagagctaa 1140
gaccatggct ctagtggaca tccagttgga tcaccatgaa cgatgtgatt gtatctgcag 1200
ctcaagacca cctcgataag agaattgtca catccttaca ttaagcctga aagaaccttt 1260
agttaagga gggtagata agagaccctt ttctaccag caaccaaact tactactagc 1320
ctgcaatgca atgaacacaa gtggtgtctg agtctcagcc ttgctttgtt aatgcatgg 1380
caagtagaaa ggtatatcat caactctat acctaagaat ataggattgc attaataat 1440
agtgttgag gttatatatg cacaacaca cacagaaata tattcatgtc tatgtgtata 1500
tagatcaaat gtttttttg gtatataaa ccaggtacac cagagcttac atatgttga 1560
gtagactct taaaatcctt tgccaaaata agggatggtc aaatatga aacatgtctt 1620
tagaaaattt aggagataaa ttattttta aatttgaaa cacaaaacaa tttgaaatct 1680
tgctctctta aagaaagcat ctgtatatt aaaaatcaaa agatgaggct ttcttacata 1740
tacatcttag ttgattatta aaaaaggaaa aatatggtt ccagagaaaa ggccaatacc 1800
taagcatttt ttcatgaga agcactgcat acttacctat gtggactata ataacctgtc 1860
tccaaaacca tgccataata atataagtgc tttagaaatt aaatcatgtt gttttttatg 1920
cattttctg aggcagctt atcatttaa cacctatctc aaaaacttac ttagagggtt 1980
tttattata gtcctacaaa agacaatga taagctgtaa cagaatttg aattgtttt 2040

ctttgcaaaa cccctccaca aaagcaaatc ctttcaagaa tggcatgggc attctgtatg 2100
 aaccittcca gatggtgttc agtgaaagat gtgggtagtt gagaactaa aaagtgaaca 2160
 ttgaacatc gacgtaactg gaaattaggt gggataattg ataggatcca tatctaataa 2220
 tggattcgaa ctctccaaac tacaccaatt aatttaattg atcttgcttt tgtgttcccg 2280
 tcttttgaa atatagacat ggatttataa tggcatttta tatttggcag gccatcatag 2340
 attattaca acctaaaagc ttttgtgat caaaaaatc acattttatt aatgtaaatt 2400
 tctaactgta tactgtctca ctgtctgat ttctgtttc tgaaccaagt aaaatcagtc 2460
 ctagaggcta tggttcttaa tctatggagc ttgctttaag aagccagttg tcaattgtgg 2520
 taacacaagt ttggccctgc tgcctactg tftaatagaa aactgttta cattggftaa 2580
 tggatttag agtaattttt tctctctgcc tcttttgtt ctgttttaa ggagactaac 2640
 tccaggagta ggaaatgatt catcatcctc caaagcaaga ggcttaagag agaaacaccg 2700
 aaattcagat agctcaggga ctgctaacag agaactacat tttttctat tgccttgaaa 2760
 gttaaaggga aagcagattt cttcagtac tttgtgtcc tactaactac aaccagtttg 2820
 ggtgacaggg ctggtaaagt cccagtgtta gatgagtgac ctaaatatac ttgattttct 2880
 aagtatggg ctctcaggtc caagtcaac tattcttaag cagtgcatt cttcccagtt 2940
 attgagatg aaagatctct gcttattgaa gatgtacctt ctaaaacttt cctaaaagtg 3000
 tctgatgttt ttactcaaga ggggagtggt aaaattaaat actctattgt tcaattctct 3060
 aaaaaccag aacacaatca gaaatagctc aggcagacac taataattaa gaacgctctt 3120
 cctcttcata actgctttgc aagtttctg tgaaaacatc agtttctgt accaaagtca 3180
 aaatgaacgt tacatcactc taacctgaac agctcacaat gtagctgtaa atataaaaaa 3240
 tgagagtggt ctaccaggt ttcaataaac ctccaggct gcaataacca gcaaggtttt 3300
 cagttaaagc cctatctgca cttttattt attagctgaa atgtaagcag gcatattcac 3360

tcactttct ttgcctttcc tgagagtttt attaaaactt ctccttggt tacctgttat 3420
 ctttgcact tctaactgt agccaataaa tctattgat agccatcaaa ggaataaaaa 3480
 gctggccgta caaattacat ttcaaaacaa accctaataa atccacattt ccgcatggct 3540
 cattcacctg gaataatgcc tttattgaa tatgttcta tagggcaaaa cactttcata 3600
 agtagagttt tttatgttt ttgtcatatc ggtaacatgc agcttttcc tctcatagca 3660
 tttctatag cgaatgtaat atgcctctta tcttcatgaa aaataaatat tgcttttgaa 3720
 caaaaaaaaa aaaaaaaaaa 3739

<210> 2
 <211> 370
 <212> PRT
 <213> Adult Human Aorta cDNA Library

<400> 2

Met	His	Arg	Leu	Ile	Phe	Val	Tyr	Thr	Leu	Ile	Cys	Ala	Asn	Phe	Cys
1			5						10					15	
Ser	Cys	Arg	Asp	Thr	Ser	Ala	Thr	Pro	Gln	Ser	Ala	Ser	Ile	Lys	Ala
			20						25					30	
Leu	Arg	Asn	Ala	Asn	Leu	Arg	Arg	Asp	Glu	Ser	Asn	His	Leu	Thr	Asp
			35					40					45		
Leu	Tyr	Arg	Arg	Asp	Glu	Thr	Ile	Gln	Val	Lys	Gly	Asn	Gly	Tyr	Val
			50				55					60			
Gln	Ser	Pro	Arg	Phe	Pro	Asn	Ser	Tyr	Pro	Arg	Asn	Leu	Leu	Leu	Thr
65					70				75						80

Trp Arg Leu His Ser Gln Glu Asn Thr Arg Ile Gln Leu Val Phe Asp
85 90 95

Asn Gln Phe Gly Leu Glu Glu Ala Glu Asn Asp Ile Cys Arg Tyr Asp
100 105 110

Phe Val Glu Val Glu Asp Ile Ser Glu Thr Ser Thr Ile Ile Arg Gly
115 120 125

Arg Trp Cys Gly His Lys Glu Val Pro Pro Arg Ile Lys Ser Arg Thr
130 135 140

Asn Gln Ile Lys Ile Thr Phe Lys Ser Asp Asp Tyr Phe Val Ala Lys
145 150 155 160

Pro Gly Phe Lys Ile Tyr Tyr Ser Leu Leu Glu Asp Phe Gln Pro Ala
165 170 175

Ala Ala Ser Glu Thr Asn Trp Glu Ser Val Thr Ser Ser Ile Ser Gly
180 185 190

Val Ser Tyr Asn Ser Pro Ser Val Thr Asp Pro Thr Leu Ile Ala Asp
195 200 205

Ala Leu Asp Lys Lys Ile Ala Glu Phe Asp Thr Val Glu Asp Leu Leu
210 215 220

Lys Tyr Phe Asn Pro Glu Ser Trp Gln Glu Asp Leu Glu Asn Met Tyr
225 230 235 240

Leu Asp Thr Pro Arg Tyr Arg Gly Arg Ser Tyr His Asp Arg Lys Ser
245 250 255

Lys Val Asp Leu Asp Arg Leu Asn Asp Asp Ala Lys Arg Tyr Ser Cys
260 265 270

Thr Pro Arg Asn Tyr Ser Val Asn Ile Arg Glu Glu Leu Lys Leu Ala
275 280 285

Asn Val Val Phe Phe Pro Arg Cys Leu Leu Val Gln Arg Cys Gly Gly
290 295 300

Asn Cys Gly Cys Gly Thr Val Asn Trp Arg Ser Cys Thr Cys Asn Ser
305 310 315 320

Gly Lys Thr Val Lys Lys Tyr His Glu Val Leu Gln Phe Glu Pro Gly
325 330 335

His Ile Lys Arg Arg Gly Arg Ala Lys Thr Met Ala Leu Val Asp Ile
340 345 350

Gln Leu Asp His His Glu Arg Cys Asp Cys Ile Cys Ser Ser Arg Pro
355 360 365

Pro Arg
370